KH 404 F
SWIFT-LIFT

OPERATING, MAINTENANCE & CLEANING MANUAL

Certified ISO 9001 by BVQI
n° 89726

Kerry Equipment™
A Hills Company
KEIM - 009

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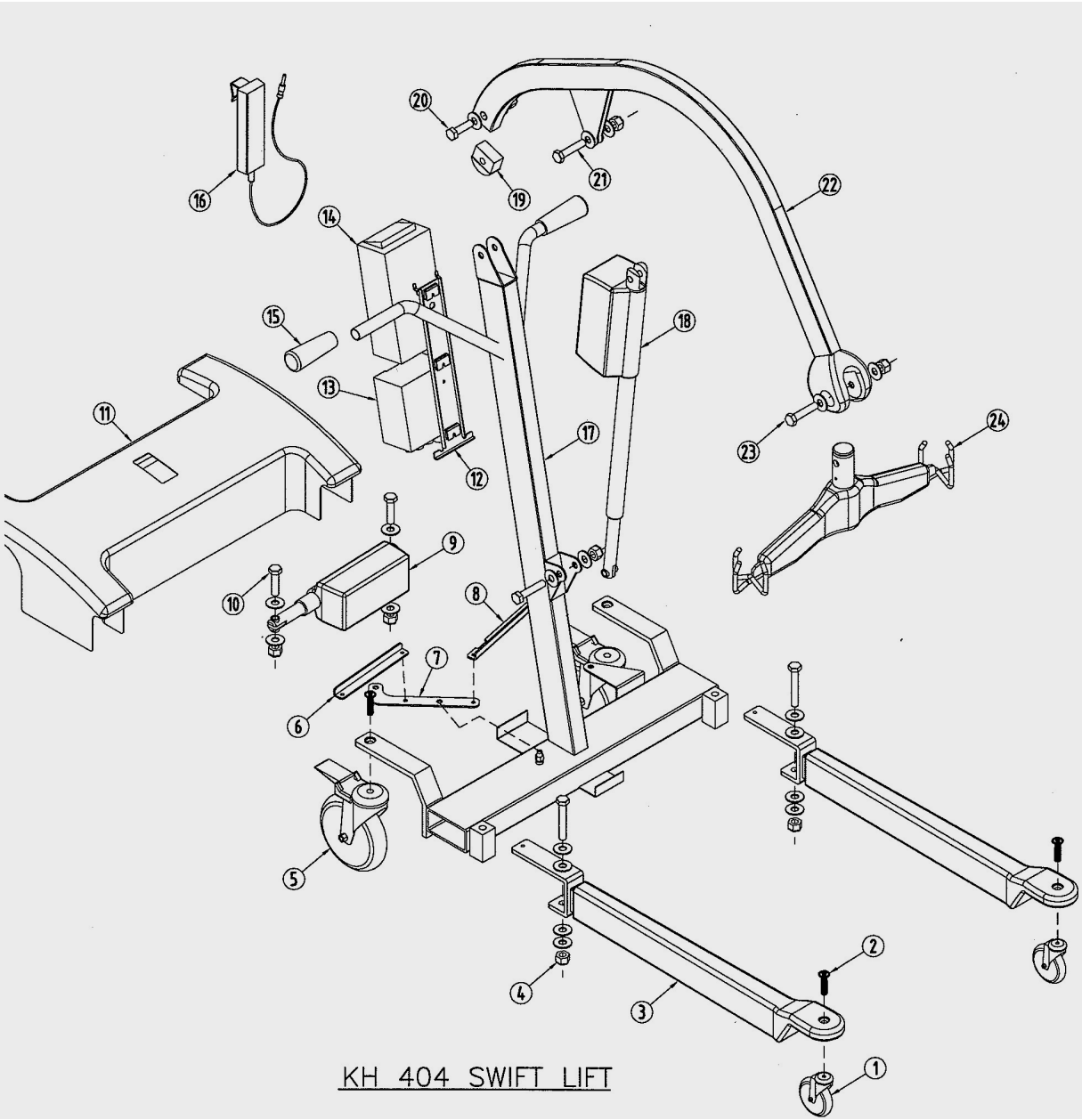
SPECIFICATIONS

DIMENSIONS:	Length	1100mm
	Width	670mm
	Height	1220mm
	Effective lift range	430mm – 1700mm
	Leg gating (inside)	510mm – 885mm
	Lift reach	700mm
	Under base clearance	60mm
	Base height	210mm
	Leg height from floor	160mm
	Turning radius	1300mm
LIFT SPEED:	Slow - 38mm per second Fast - 58mm per second	
LIFT DRY WEIGHT:	39 Kg (with battery)	
LIFT CAPACITY:	Max load - 150kg	
CASTORS:	Ø150 Total lock rear polyurethane castor Ø100 Swivel front polyurethane castor ***Note: Smaller castors available on request.***	
FINISH:	Epoxy powder coated Polyurethane legs and yoke PVC cover	
ELECTRICAL ITEMS:	Tested by Linak Australia to standards:- - AS 3108-1990 - AS 3200.1-1990	



ITEM	PART NUMBER	DESCRIPTION
1	3PUSB10M	ø75 POLY SINGLE WHEEL SWIVEL
2	ZMCS711	CASTOR BOLT SET
3	400L	LEG ASSEMBLY
4	ZH820	LEG PIVOT BOLT SET
5	6PUTBB10M	ø150 POLY T/LOCK BHM10 CASTOR
6	40TRS	SMALL TIE ROD
7	40LGL	LEG GATING LEVER
8	40TRL	LARGE TIE ROD
9	LA28.2-060-24-001	LEG GATING ACTUATOR
10	ZH710M	LEG GATING BOLT SET
11	404PC	PLASTIC BASE COVER
12	MBJ2	MOUNT BRACKET BATTERY/CONTROLLER
13	CBJ1-00-2A-HS-01	CONTROLLER WITH EMERGENCY STOP
14	BAJ1-00-01	BATTERY
15	608PHG	PUSH HANDLE GRIPS
16	HB53J-00-01	HAND SET WITH LEG GATING
17	404SH1	BASE AND MAST ASSEMBLY
18	401-02	300mm LIFT ACTUATOR
19	PRC5025	PLASTIC END CAP
20	BB12+PVC	BOOM PIVOT BOLT SET
21	ZH710M	LIFT ACTUATOR BOLT SET
22	404 SH6	BOOM
23	7H710	YOKE PIVOT BOLT SET
24	40Y	YOKE

SAFETY PRECAUTIONS.

1. The KH 404 F Swift-Lift is manufactured and tested to Australian Standard AS3581 and International Standard ISO/DIS 10535.

2. The **MAXIMUM** safe working load is **150 Kg's.**

3. EMERGENCY LOWERING/RAISING: The emergency lowering/raising buttons can be used to lower/raise the hoist if there is a handset failure. The switches are located on the controller under the big red emergency stop switch. Simply press using a ball point pen or similar object, DO NOT use a sharp object such as a compass point.

4. Always use the correct slings on the hoist.

5.. For safety precautions only properly trained personal should use the hoist.

OPERATING INSTRUCTIONS

1.1 INSTALLATION OF BATTERY PACK.

Before the SWIFT-LIFT can be operated the battery pack will need to be placed on charge (See 2.1.2 - For Charging Battery). Minimum 4 hours for flat battery. When the battery pack is fully charged, remove the battery from the charger and place on the hoist. Simply locate the battery on the mounting bracket and clip the release lever into the secure position. The Swift-Lift is now ready for use.

Fig 3

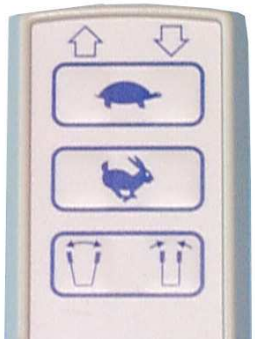


Fig 4

1.2 HANDSET:

1.2.1 RAISE/LOWER:

The SWIFT-LIFT operates via a touch pad hand controller. To raise or lower the hoist, simply press the required switch on the pad. (Fig 4)
There are four switches on the hand controller for raising and lowering.
The top two switches are for slow normal operation (tortoise); the middle two switches are for faster operation (Hare). Simply choose the speed that suits your application.

1.2.2 LEG GATING:

To OPEN or CLOSE the "Gate" on the legs, simply press the touch pad hand controller with the required function. (Fig 4 shows the lower set of switches that operate the leg "gate"). Open on the left, close on the right.

1.3 YOKE - SLING MOUNTING POINTS (Fig 5)

Refer to the fitting instructions supplied with your chosen sling.

Fig 5

BATTERY CHARGING AND CARE

1. MOUNTING OF THE CHARGING UNIT.

Kerry Equipment recommends that the charging unit be mounted on a wall out of the way of normal traffic, at approximately waist high, close to an electrical outlet. This will help in easy attachment and removal of the battery when charging is required.
For further instructions on charger mounting, please consult the charger mounting instructions supplied with the charging unit.

2. CHARGING

Before the KH 404 F can be operated the battery pack will need to be charged. Please follow the instructions below.

2.1 Plug the charger unit (Fig 6) into the 240-Volt supply outlet. The unit is now ready to accept a battery that requires charging; a GREEN L.E.D. (ON) will be displayed.

2.2 To charge the battery, simply locate the battery on the mount bracket and clip into position. (The GREEN and ORANGE L.E.D. on the front of the charger will be displayed). The battery is fully charged when the ORANGE L.E.D. is OFF and only the GREEN L.E.D. is displayed.

2.3 If a two-battery system is going to be used, replace the first battery once charged, with the second battery. Charge using the same procedure as above.

NOTE: A battery pack may remain on charge indefinitely without any detrimental effects to the battery or charging unit.

Fig 6 Charger unit shown without battery attached.

3. BATTERY CARE

The KH 404 F uses fully sealed lead acid batteries. Which are designed to be recharged on a regular basis. To care for your batteries and obtain the maximum life **DO NOT** allow the batteries to run totally flat before recharging.
The controller is fitted with an **audio low battery warning alarm**. When this warning alarm sounds complete the lift process, then change the battery and recharge. Kerry Equipment recommends that a 2-battery system be used; this allows one battery to always be on charge while the other is in use, and hence the hoist may never be out of service with a flat battery.

MAINTENANCE INSTRUCTIONS

LUBRICATION

The KH 404 F SWIFT-LIFT require periodical lubrication. These points are:

1. CASTORS
It is always best practice to remove all hair and lint from the castors as soon as possible, always allowing free movement of all the wheels.
The castors need to be lubricated monthly (Use TAC-2 only). This involves: -

1.1 The Castor head bearing will need lubricating. Simply spray TAC-2 up into the bearing while rotating the castor (Fig 7).
The wheel also requires lubricating every month. To do this the wheel must be unbolted and removed from the castor frame. TAC-2 can then be sprayed into the hub centre to lubricate the internal bearings (Fig 8).

Fig 7

Fig 8

2. BASE PIVOT POINTS

All pivot points will need to be lubricated with TAC-2 or similar lubricant. Simply spray for 2 seconds on each side of the recommended points monthly.
The hoist has to be turned onto its side for access to the following lubrication points. (To do this 2 people are required.)

Follow the instruction below:

2.0.1 Both people are to stand on one side of the hoist. One near the push handle, the other by the side of the hoist.

2.0.2 The person near the push handle locks the total lock castors.

2.0.3 In conjunction with one another pull the hoist towards the side, lowering the hoist onto its side on the floor.

2.0.4 The hoist can lie on its side without damage to the plastic cover, but care must be taken when lowering/raising.

You now have access to all the lubrication points. ie: pivot points, leg lever and leg pivot. Simply spray TAC-2 on all the pivot points for 2 seconds.

2.1 Leg Actuator Pivots (Fig 9)
Leg Pivots (Fig 9)
Tie Rod Pivot Points (Fig 9)

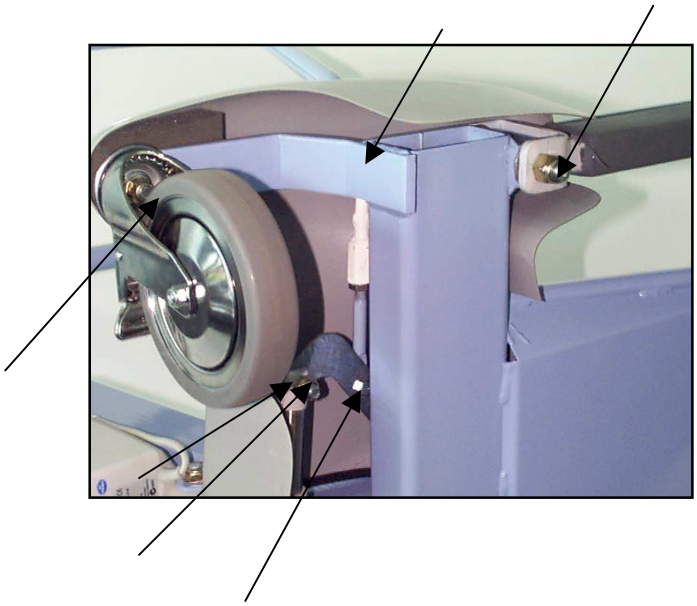


Fig 9

3. ARM AND ACTUATOR PIVOT POINTS

The arm pivot points will need to be lubricated with TAC-2 or similar lubricant. Simply spray for 2 seconds on each side of the recommended points monthly.

3.1 Arm Pivot (Fig 10)
Actuator Pivots (Fig 10)

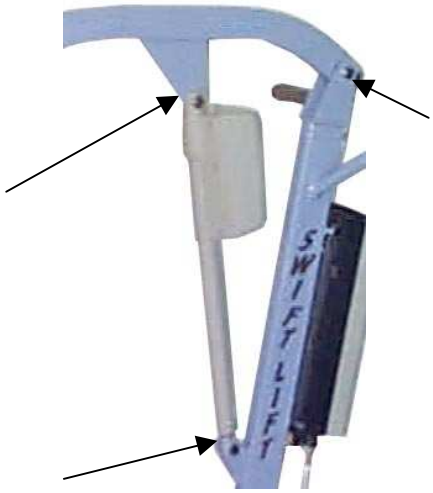


Fig 10

TAC-2 is a CRC product and is available from most automotive outlets or from Kerry Equipment.

GENERAL CLEANING

1. The KH 404 F SWIFT-LIFT can be cleaned with a low strength detergent, warm water and a soft textured cloth. This includes all Epoxy powder coated framework, PVC cover, polyurethane legs and yoke.

2. CAUTION
   Do not immerse any parts in water.
   Do not allow water/cleaning liquid to enter the battery or controller.
   Clean up spills immediately.

3. SLING CARE
   Protect from direct sunlight.
   Repair any cuts or fraying immediately.
   Slings are machine washable.
   Please refer to care instructions on the sling.

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